THE PATENT GALVANIZED IRON TUBE and CASE,
Owners of Crawshay's Patents, and Successors to
THE GALVANIZED IRON COMPANY,
Supply patent galvan and sheets, plain or corrugated, for roofing &c. Water or Gas Pipes, Castings, Wire of all gauges, Guttering, Hooping, &c. Wholesale, retail, and for export.
An Allowance to the Trade.
WORKS—WILLWALL and BIRMINGHAM.
LONDON OFFICE, 3, MANSION-HOUSE PLACE.

IRON BUILDING and ROOFING WORKS,
BIRMINGHAM, late of Smethwick.
JOHN H. PORTER,
Manufacturer of the Corrugated and other kinds of Iron Roofing for railway stations, carriage sheds, farm buildings, gas-works, warehouses, factories, &c. &c.
PATENTEE
Of the Corrugated Iron Beams, Girders, and Fire-proof Floors.

THE PATENT GALVANIZING and CORRUGATING IRON COMPANY,
Glass-house Yard, opposite Principal Entrance to the Leaden Hall Market,
Offices—12, Cornhill, Wineries
J. SYMONDS & CO. Managers.
The Proprietors, having made considerable improvements in the mode of working Crawshay's Patent, for which they have a license, are now in a position to execute orders to any extent, in a manner hitherto unequalled, and they respectfully solicit the favours of Builders, Contractors, Merchants, and others.
The peculiarity of their premises to the docks affords peculiar facilities for the prompt execution of shipping orders.
On hand—for exportation or home consumption—Patent Galvanized Plain and Corrugated Sheets, for Iron Houses, Roofing, Railway Stations, Carriage Sheds, Farm Buildings, Gas Works, Warehouses, Factories, Doors, Verandas, Shutters, Partitions, Safety Chests &c., Iron Guttering, Water and Gas Pipes, Hooping, Wire of all sizes, Chairs and Seats for Lawns, Pleasure Grounds, and Gardens, in great variety.
Goods kept for and returned, free of charge, within three miles of the City: and all light goods received at the Works by 9 in the morning, will be returned the same day, if required.
A Discount allowed to the Trade.

THE CORRUGATED and GALVANIZED IRON ROOF,
PORTABLE BUILDING, AND
NASMYTH'S PATENT FLOORING, ROOFING, AND GIRDER WORKS,
Offices, 63, Gracechurch-street.
JOHN WALKER, son of the Patentee of Corrugated Iron, calls the attention of Architects, Engineers, &c., to his List of Prices, which, conjunctly with great workmanship, are extremely low.
Models of the patent Iron Flooring, corrugated or bad, and girders; also, drawings of roofs, on peculiar principles, may be had on application.
Drawings of the Iron lighthouse erected on the Thames and other papers see the Exposition for February 8th; may be seen by applications.
References to firms of the highest class can be given.

MOREWOOD and ROGERS'S PATENT GALVANIZED TINNED IRON.—Iron Tinned previously to being Galvanized. The attention of Architects, Engineers, and others is directed to the various uses to which this metal can be beneficially applied, viz., for all roofing purposes, especially of large span, either plain corrugated, arched and star, rounded, or in the form of tiles; for all sheets, barrel, and bending of a similar description; for the lining of tunnels, chimneys, and tanks; for pattern, mitres, and pipes of every description, plain and ornamental; nails, bolts, and rivets, iron hooping, and for all nautical purposes, sheathing, anchors, chains, &c.
ANDREW WHITTICK, 154, New Oxford-street, and Russell-street, Soho, begs to particularize the "Tiles," in size 1 feet long by 1 feet wide, prepared or ready of "Galvanized Tinned Iron" for the covering of timber roofs of the ordinary construction. They will be found to form a durable perfectly weather-tight covering, as neither rain nor snow can possibly be driven under the laps by the wind, and the unlucky accidents of "broken slates, with the annual repair-charge for such repairs are avoided. A square of covering of 24 square metal weighs about 1½ cwt., while slating weighs from 7 to 9 cwt. the first cost of covering a roof with this metal on account of the great saving in woodwork is at least 15 per cent. less than a slated roof. A W begs to recommend the adoption of this metal for PANELS to JAMBS, SHUTTER- &c. to ordinary framed joiners' work as, independent of the security against burglars, knots, or shakes, and many other disadvantages of wood panels are avoided. For all uses of this metal and information as to its applicability to any purpose, all queries are referred to the Surveyor of the Patentees, Mr. GEORGE MORGAN, No. 22, Parliament-street.

TO BUILDERS AND OTHERS.
HART and SONS, Wholesale and Manufacturing Ironmongers, Nos. 33, 34, and 35, Wych-street, Strand. Established 1815. Proprietors and sole Manufacturers of PITT'S PATENT SELF-ADJUSTING DOOR FURNITURE and SPINDLES, and Manufacturers of Dr. ARNOTT'S VENTILATING CHIMNEY VALVES.
HART and SONS solicit the attention of Builders, House Decorators, Smiths, Bell-hangers, &c. to their extensive and well selected stock of DOOR FURNITURE in every available material, en suite with finger plates, escutcheons, levers, &c., and also to their LOCKS and LATCHES in every size, pitch, or throw, for gate, cabinet &c., of all qualities, including Barrow's, Bramah's, Chubb's, and Pitt's Patent.—To their
GENERAL IRONMONGERY wrought and cut nails, screws, hinges, bolts, &c. &c.
BRASS FOUNDRY.—Bell cranks of all descriptions, curtain poles, casters rods, street door handles, desk and bar rails, window guards, Kensington gate locks, &c. &c.
WINDOW FITTINGS of all kinds, including brackets, rods, arms, sliding sockets, trays, &c. &c.
DOOR SPRINGS and HINGES, including Redmond's, Smith's, Collinge's, Screah's, and Cotterell's patents.
WINDOW BLIND FITTINGS of the most approved principle.
SHERINGHAMS and all other VENTILATORS.
LEAF'S BACK BOLT MORTISE LOCKS, for which they are AGENTS as well as for all inventions of merit as soon as perfected.
HART and SONS, aware that the practice of publishing NET price-lists is injurious to the interests of the trade generally, are unwilling to follow it, but at the same time they beg to assure their friends that their prices will be found equally as low as those of any other respectable house.

JAMES ARTHUR MILES, Wholesale and Manufacturing Brass Founder, 12, Pancras-lane, Queen-street, City, requests the attention of the trade to his stock of BRASS FOUNDERY, BELL CRANKS, and GAS FURNITURE, comprising a greater variety in each department than has hitherto been kept.
The CRANKS are arranged in twelve suites of different drafts and strengths, and from one to six feet, cast in the rough, mounted with copper pins, for screw work. BELL-LEVERS and PULLS in bronze, pearl, rose, glass, and china.
In GAS WORK, the whole of the patterns are entirely new. A large assortment of GAS PILLARS, PENDANTS, BRACKETS, and CHANDELIERS is kept. CORNICE-POLES, DESK-RAILS, WINDOW FITTINGS, GASWORKS, and every description of brass work manufactured on the shortest notice.
NO IRONMONGERY OF ANY DESCRIPTION KEPT IN STOCK.
Agent for the sale of W. S. KENNEDY'S CHINA DOOR FURNITURE, with Dixon's Patent spindles, and whose stock is kept upon the premises. This stock is much larger in amount, and contains a greater variety of patterns than any other. Also,
CHINA LIST-, RAILWAY, GARDEN LABELS, COMMODE KNOBS, OTTOMAN FEET, &c. and a considerable expense on all novelties as the low as prices. The above articles, in china, may be had retail of all respectable ironmongers throughout the kingdom.

HOT-WATER APPARATUS.—The attention of architects, builders, and others is respectfully requested to BENJAMIN POWELL'S superior method of heating churches and chapels, halls, stations, conservatories, forcing and propagating houses, counting-houses and warehouses, libraries, rooms for drying linen, &c., and every variety of purpose for which certified heat is required. Within the last twenty years upwards hundreds of buildings have been heated upon this plan, and the parties for whom they were executed are continually expressing their satisfaction, also their willingness to vouch for their efficiency.
BENJAMIN POWELL, late of 53, Cornhill, removed to the new Factory, 5, Whitefriars-street, Fleet-street.

WARMING by HOT WATER.—J. WEEKS and Co., KING'S-ROAD, CHELSEA, solicit the honour of Architects to inspect their Hot-Water Apparatus, which is to be seen on their premises, in extensive operation, Ornamental Pedestals and Stacks of Pipes in great variety, applicable for warming churches, mansions, entrance halls, offices, conservatories, &c.—TUBULAR BOILERS of all sizes, warranted to be the most efficient and economical of any yet introduced.—J. WEEKS and Co., Hot-Water Apparatus Manufacturers, King's-road, Chelsea.

FULKES' RANGE and STOVE MANUFACTORY and BUILDERS' IRONMONGERY WAREHOUSE, Nos. 91 and 92, Park-street, Camden-town. An extensive and well-selected stock of all descriptions of Stoves, Ranges, and Builders' Ironmongery, at prices equally low as those of any house in the trade, and in many things much lower.

TO BUILDERS and CARPENTERS.—
Elliptic Stoves, double backs, 2½d. per inch.
Register Stoves, 3d. 4d. 4½d. 7½d. per inch.
Self-acting Ranges, with circular ovens and boat bottom, best wrought bars and bright fittings—

2 ft., fit 12s.	3 ft. 6 in., fit 7l.	4 ft., fit 12s.

2-feet Cottage Ranges, with ovens and hook boilers, 20s. each.
2-feet self-acting ditto, ditto ..... 25s. each.
Air Bricks, 3d. per doz.—1-inch Cut Lath Nails, 12s. 6d. per cwt.
Best Patent Cut Clasp.

1½	1¾	2	2½	3 inch and larger,
14s. 6d.	14s.	12s. 6d.	12s. per cwt.	

Best Sheet Floor Brads, 11s. 6d. per cwt.
Best Town Glue, 28s. Ditto, Scotch, 32s. per cwt.
Best Patent Sash Line.

1	2	3	4	5	6
4s.	4s. 6d.	5s. 6d.	7s.	8s.	10s. 6d. per gross.

At P. P. WILLIAMSON'S IRONMONGERY and STOVE WAREHOUSE, 35, Chiswell-street, Finsbury-square.
Lists of Prices had on application at the Warehouse, or by letter, pre-paid, inclosing postage stamp.—Warehouse closes at 7 o'clock.
Clark and Hunt's Improved Glass Paper.

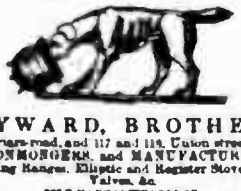
CLARK and HUNT'S IRONMONGERY, STOVE and METAL WAREHOUSE, 128, Shoreditch.
Strong Elliptic Stoves, with extra back, 2½d. per inch.
Register Stoves, 6d. per inch.
2-ft. Self-acting Cottage Ranges, with Oven and Boilers, 20s. each.
2-ft. Self-acting ditto, with wrought bars and bright fittings, 25s. ea.

Cast Hair-water Pipe	2	2½	3 inch.
	9d.	10d.	1s. per yard.
Cast Gutters—4 inch, 8d. per yard.			
O.G. Gutters	4		4½ inch.
	11d.		1s. per yard.

Best Cut Clasp	1½	1¾	2	2½	3 inch.
and Nails	14s. 6d.	14s.	12s. 6d.	12s.	12s. per cwt.

Sheet Flooring Brads, 11s. 6d. per cwt.
1-inch Cut Lath, 14s. Cast Lath, 3s. 6d.
6-inch 2-Bolt Rd. Ward Mortice, with best Furniture and Patent Spindles, 8s. 6d.
Light Elliptic and Register Metal, 12s. per cwt.
Hot Water Pipes, 8s. 6d. per cwt.
Dr. Arnott's Ventilators, 8s. each.
An extensive stock of bar, rod, hoop, and sheet iron.

STOVES, RANGES, &c.



HAYWARD, BROTHERS,
196, Blackfriars-road, and 117 and 119, Union-street, Borough,
IRONMONGERS and MANUFACTURERS
Of Self-acting Ranges, Elliptic and Register Stoves, Arnott's Valves, &c.
SOLE MANUFACTURERS OF
HENLY'S patent improved KITCHEN RANGE, with hot plate, Wellington's patent radiating and reflecting Register Stoves, and SHERINGHAM'S VENTILATOR.

TO BUILDERS, CABINET-MAKERS, and OTHERS.
Best Cut Sheet Flooring Brads, 11s. 6d. per cwt.
Fine Cut Clasp and Rose.

14s. 6d.	14s. 6d.	13s. 6d.	13s.	12s. 6d. per cwt.
1½	1¾	2	2½	3 inch.

Cross Garnet Hinges, per dozen pair.

2s. 9d.	3s. 3d.	4s. 3d.	5s.	6s.	8s.
10	13	14	16	18	20 in.

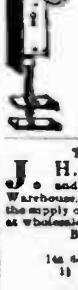
Best Bright Tower Bolts, per doz.

1s. 3d.	1s. 7d.	2s. 6d.	3s. 6d.	5s.	6s. 7d.
3	4	5	6	7	8	9 in.

Iron Rain-water Pipe.

9d.	10d.	1s. 1d.	1s. 3d.	1s. 9d. per yard.
2	2½	3	3½	4 inch.

Best London Glue, 28s. per cwt.
Cast Lath Nails, 10s. per cwt.
Air Bricks, 3s. 6d. per doz.
Hooping for board, 6l. 10s. per ton.
Sash Weights, 3s. per cwt.
TERMS—NET CASH.
A price-list may be had on application.
A. L. PFEIL and Co.,
Wholesale Ironmongers, Brass Foundry and Nail Warehouse,
5 and 6, Broad-street, Bloomsbury, London.
AGENTS FOR LEAF'S PATENT MORTISE LOCKS AND BOLTS.



TO BUILDERS AND CARPENTERS, &c.
J. H. BOOBBYER and CO., late Sturch and Boobbyer, Ironmongery, Brass Foundry, Nail, and Tool Warehouse, No. 14, Stanhope-street, Clare-market, London, for the supply of Carpenters, Builders, Cabinet-makers, Upholders, &c., at Wholesale prices.
Best Cut Sheet Flooring Brads, 11s. 6d. per cwt.
Fine Cut Clasp and Rose.

14s. 6d.	14s. 6d.	13s. 6d.	13s.	12s. 6d. per cwt.
1½	1¾	2	2½	3 inch.

Best Bright Tower Bolts.

1s. 3d.	1s. 7d.	2s. 6d.	3s. 6d. per dozen.
3	4	6	6 inch.

Best Patent Sash Line.

4s.	4s. 6d.	5s. 6d.	7s.	8s.	10s. 6d. per gross.
No. 1	2	3	4	5	6

Cast Lath Nails, 10s. per cwt. Air Bricks, 3s. 6d. per dozen.
DR. ARNOTT'S VENTILATORS.
10 by 8 inches ..... 8s. each.
16 by 6 ..... 8s. "
An assortment in Brass, Bronzed, Gilt, &c.
An extensive stock of Mortise Locks, Drawback Locks, Iron Rim Locks, and Latches, of every description, at very reduced prices; also Door Furniture, in china, amber, crystal, ivory, ebony, buffalo, horn, brass, &c., with Finger-plates, Bell-pulls, and Levers en suite.
B. and Co. are the inventors of SHIFTING BOLT MORTISE LOCKS, &c., so universally approved of.—Established nearly 20 years, for the supply of goods from the best manufacturers at the lowest prices.

TO BUILDERS AND FLORISTS.
IRON PIPES for hot-water circulation, with Flanges, Screws, and every connection, as wholesale prices. RAIN-WATER PIPES, eave and O.G. gutters, air bricks, sash weights, and railing bars; STABLE FITTINGS, pumps, lamp columns, wrought-iron tubing and under-ground pipe of all sizes, and on the lowest terms, at LYNCH WHITE'S Iron Wharf, 61, Basinhall, London.

IRON FOUNDRY, 80, Goswell-street (late of Brick-lane, St. Luke's).—J. J. JONES having made great additions to his STOCK of PATTERNS, begs to inform the Trade, that he can now supply them with Plain and Ornamental Iron Columns, Girders, Railings, Gates, Iron Coping, Balconies, Window Guards, Verandahs, Ornamental Staircase Panels, Iron Staircases, Tomb Enclosures, Trellis Panelling, Lamp and other Brackets, Cantilevers, Newel Bars, Water Closet Work, Area Gratings, Fly and other Wheels, Wheel Plates, &c.
BAKERS' OVEN WORK, Forge Backs and Troughs, Rain Water Pipes and Gutters, Sash Weights, Furnace Bars, Stoves, Ranges, &c., always in stock.

FOUNDRY AND IRONWORKS,
168, DRURY-LANE, and CHARLES-STREET, DRURY-LANE.
GLOVER, BROS.,
Solicit the attention of the Trade to their extensive Stock of PATTERNS for CASTINGS of EVERY DESCRIPTION, either structural or ornamental.
Patterns of Girders, Columns, Balconies, Railing, Ornamental Carriage and Park Gates, Lamp and Street Posts, Tanks, Pipes, Wheels, Pinions, Lathes, and Steam engines; Range and Hob-plate Metal. An improved Boat Door adapted for internal work.
A large stock of Rain water Pipes, Plain and O.G. Gutters, Air-bricks, Sash Weights, Air-tight Grates, Stable Fittings, Hurdles, &c.
Plain and Ornamental Vases 20 per cent. cheaper than Terra-cotta.
Estimates given for Iron Buildings, Wrought-iron Roofing, Greenhouses, Staircases, Wrought-iron Girders, Fireproof Doors, Real Safes and Strong Rooms, Tanks and Boilers and every description of iron work to specification, and the work executed with every attention to quality and despatch.
GLOVERS' IRON WORKS,
168, DRURY-LANE, and CHARLES-STREET.

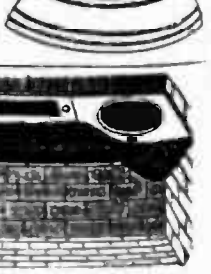
CHUBBS' LOCKS, FIRE-PROOF SAFES, AND CASH BOXES.
CHUBBS' PATENT DETECTOR LOCKS give perfect security from false keys and picklocks, and also detect any attempt to open them. They are made of all sizes, and for every purpose to which locks are applied, and are stronger, secure, simple, and durable.
CHUBBS' PATENT LATCH, for front doors, counting-house doors, &c., is simple in construction, low in price, and quite secure. The keys are particularly neat and portable.
CHUBBS' PATENT FIRE-PROOF SAFES, BOOKCASES, CHESTS, &c., made entirely of strong wrought-iron, so as effectually to resist the falling of brick-work, timber, &c., in case of fire, and are also perfectly secure from the attacks of the most skilful burglars.
CHUBBS' CASH and DEED BOXES, fitted with the Detector Locks.
CHUBB and SON, 57, St. Paul's Churchyard, London.

GREAT FIRES in MARK-LANE and SOUTHAMPTON-STREET, STRAND.—In these destructive Fires Deeds and Documents of immense value have been preserved uninjured by "LEADBEATER'S PATENT FIRE-PROOF SAFES." LEADBEATER'S STRONG WROUGHT-IRON FIRE-PROOF BOOK SAFES, CHESTS, and DOORS, for Strong Rooms, Plate Closets, and Party-walls, &c., of best make, and possessing all the most recent improvements, are the best depositories for property of every description in the world; extra-strong Cash and Deed Boxes, with Detector Locks; Patent Detector Locks and Latches for all purposes. LEADBEATER, PATENTEE and MANUFACTURER of the much approved Ventilating and Down-draught preventing CHIMNEY POT. This desirable article is found to be the most effectual cure for Smoky Chimneys ever yet before the public, and is adapted to every style of Architecture.
A large assortment on hand at LEADBEATER'S MANUFACTORY, 123, ALDERSGATE-STREET, CITY of LONDON, where Prospectuses may be had.
LEADBEATER, many years Manufacturer for Chubb.

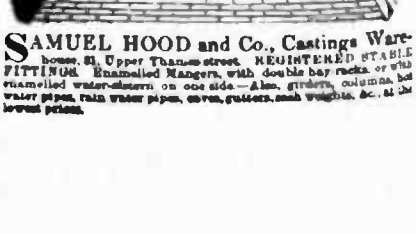
FIRE-PROOF BOOK SAFES AND DEED BOXES.
GRIGG and JENKINSON beg to offer to BANKERS, MERCHANTS, SOLICITORS, and MEN of BUSINESS in general requiring safe deposits for VALUABLE PAPERS, &c., a modicum of security to their Wrought-iron Safes and Boxes, which cannot be surpassed. They embrace in a peculiar manner all requisites—great strength and resistance to withstand resistance to FIRE, and LOCKS which it is impossible either to force or pick. Their prices are strictly moderate. Also IRON DOORS, and every description of strong Fastenings.
Manufacturers, GRIGG and JENKINSON, Finsbury Iron Works, 119 and 120, Bunhill-row.

COLLINGE'S PATENT HINGES.—Sole Manufacturers, CHARLES COLLINGE and CO., 63, Bridge-road, Lambeth, where a great variety are always on view for church, park, railroad, coachhouse, and other gates and doors of large and small dimensions, a gate of a ton weight moving with these hinges as easily as a wicket. Ornamental hinges, adapted for drawing rooms, &c.; doors fitted with them may be repaired and replaced in an instant. Rising and double-acting spring hinges, and superior gate fastenings, at moderate prices. None genuine unless marked "Charles Collinge, Patent, Lambeth." Plain and ornamental cast and wrought-iron work, for building and other purposes. Engines, machinery, patent axletrees, sugar-mills, &c.

CHURCH and TURRET BELLS cast to any weight, and tuned. Ship, plantation, horse, sheep, cup, and clock bells of any size.
MUSICAL HAND BELLS
Tuned to the chromatic scale, with improved clappers, and pegged on a new system, which gives a superior tone and facility for ringing.
Memorial Brasses, Pulpit Lights, and Brackets, &c.
Old Bells recast or taken in exchange.



J. WARNER AND SONS,
BELL FOUNDERS,
ENGINEERS, &c.



SAMUEL HOOD and Co., Castings Warehouse, 81, Upper Thames-street, REGISTERED STABLE FITTINGS, Enamelled Mangers, with double bar racks, or with enamelled water-cistern on one side.—Also, girders, columns, hot water pipes, rain water pipes, eaves, gutters, sash weights, &c., at the lowest prices.

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